



California Renewable Energy Pathway Reborn

The 850-mile-long Pacific Direct Current Intertie runs from Northern Oregon to Southern California to create hydroelectric power for Los Angeles County. Risking failure from deterioration due to the water, the rejuvenation of the transmission line became imperative. Jensen Infrastructure manufactured 36 corrosion-resistant precast concrete vaults for the project.

Project Details

Project Owner	Los Angeles Department of Water & Power
Architect/Engineer	KTY Engineering
Contractor	L3 Technologies & Maripro Inc.
Location	Los Angeles, California
Project Scope	Precast Concrete Vaults 6'W x 20'L x 54"H





Problem

To replace the original vaults that built the transmission line, the new structure would require corrosion-resistance, multi-agency compliance and most importantly, lasting durability since it would be living on the sea floor. This structure is housing 144 electrodes three miles off the shore of Santa Monica.

Solution

High quality precast structures give the lasting durability and protection needed for a project based on the sea floor. Jensen's Fontana branch and their engineers designed these vaults with fiberglass rebar at the request of LADWP to reduce corrosion with the electrode arrays. With each vault weighing 25 tons, they'll be steady through the unpredictability that comes with underwater projects.

Key Outcomes

Reliable

Maintains the reliability and stability of the power generation and delivery system for Southern California.

Consistent

Helped California meet their goal of drawing 33% of their power from renewable energy.

Diversified Energy

Increases the available share of renewable resource energy from wind power in the Pacific Northwest.